

# FastTrak Schedule Report

## Overview

Store Name: My Store  
Depot Name: My Depot  
Delivery Date: 06/05/2024  
Vehicles: 5  
Packages: 273  
Standard Priority: 247  
Express Priority: 26

## Schedule Profile

Auto-Minimise (Y/N): N  
Optimisation Profile: Eco  
Time Window: 8 hours  
Estimated Time Per Delivery: 3 minutes

## Vehicles

#	Vehicle	Packages	Load Utilisation (kg)	Volume (m³)	Distance (mi)	Time (hrs)
1	VE01ABC	52	805/1000 (81%)	14.2/15.0 (95%)	59.7	5.58
2	VE02ABC	53	871/1000 (87%)	13.7/15.0 (92%)	73.7	6.32
3	VE03ABC	59	811/1000 (81%)	15.0/15.0 (100%)	75.4	6.71
4	VE04ABC	55	826/1000 (83%)	15.0/15.0 (100%)	82.3	6.85
5	VE05ABC	54	773/1000 (77%)	15.0/15.0 (100%)	83.0	6.83

# Performance

Total	Average Per Vehicle	Average Per Package
Packages: 273	Packages: 54.60	Packages: n/a
Driving Time: 32.28 hours	Driving Time: 6.46 hours	Driving Time: 0.12 hours
Distance: 374.07 miles	Distance: 74.81 miles	Distance: 1.37 miles
Weight: 4086.00 kg	Weight: 817.20 kg	Weight: 14.97 kg
Volume: 72.93 m³	Volume: 14.59 m³	Volume: 0.27 m³

## Efficiency Metrics

Higher efficiency scores indicate better performance. A utilisation score of 100 indicates that the vehicle is being used to its full capacity.

**Time Efficiency (TE)** = Number of Packages / Time (minutes) \* 100  
**Distance Efficiency (DE)** = Number of Packages / Distance (miles) \* 100  
**Weight Utilisation (WU)** = Total Weight (kg) / Load Capacity (kg) \* 100  
**Volume Utilisation (VU)** = Total Volume (m³) / Volume Capacity (m³) \* 100

#	Vehicle	TE	DE	WU	VU
1	VE01ABC	15.52	87.13	80.50	94.76
2	VE02ABC	13.98	71.96	87.10	91.65
3	VE03ABC	14.66	78.25	81.10	99.95
4	VE04ABC	13.39	66.81	82.60	99.83
5	VE05ABC	13.18	65.04	77.30	99.98
Average		14.10	72.98	81.72	97.24

## Algorithm Information

The algorithm configuration has been selected as:

Initialisation: KMeans

Optimisation: None

### Network State

Vehicles available: 5

Vehicles used: 5

Packages pending: 925

Packages scheduled: 273

Total Time Window: 40 hours

### Solution Statistics

Initialisation	Optimisation	Packages	Time (hours)	Distance (miles)	TE	DE	WU	VU
KMeans	None	273	32.28	374.07	14.09	72.98	81.72	97.23